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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/817,158	04/02/2004	Marcelo Daniel Baru Fassio	39438-401600	1165
27717 7590 02/12/2008 SEYFARTH SHAW LLP			EXAMINER	
	ORN ST., SUITE 2400		MANUEL, GEORGE C	
CHICAGO, IL 60603-5803			ART UNIT	PAPER NUMBER
			3762	
			MAIL DATE	DELIVERY MODE
			02/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/817,158	BARU FASSIO ET AL.		
Office Action Summary	Examiner	Art Unit		
	George Manuel	3762		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on 23 A	s action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) ☐ Claim(s) <u>1-7,9-18 and 20-83</u> is/are pending in 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) <u>39-47</u> is/are allowed. 6) ☐ Claim(s) <u>1-5,22,31-34,37,38,48-53,59,64-68,7</u> 7) ☐ Claim(s) <u>6,7,9-18,20,21,23-30,35,36,54-58,60</u> 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration. 71-73 and 76-83 is/are rejected. 9-63,69,70,74 and 75 is/are object	red to.		
Application Papers				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	cepted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 11/23/07.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1, 33, 34, 37, 38 and 48 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by WO 2002/60445.

WO 2002/60445 discloses an implanted multi-channel stimulator and a multipolar nerve stimulation electrode and a nerve cuff. A nerve recording electrode senses foot motion and the sensed motion is recorded and amplified and telemetered to an external signal analysis device. Fig. 13 shows detected gait phase transisition events and Fig. 14 shows the response of activated stimulation for the detected gait phase transition events. Programming parameters are disclosed for ramping up the stimulation when the heel is lifted from the ground for each channel. A heel switch senses heel contact with the floor.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 2-5, 22, 31, 32, 49-53, 59, 64-68, 71-73, 76-83 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 2002/60445.

WO 2002/60445 fails to disclose a rectifier circuit, an integrator circuit, or a rechargeable battery. One of ordinary skill in the art would have found it obvious to use a rechargeable battery for the power source for the implanted device because a rechargeable battery allows the battery to remain implanted and reduces the discomfort or risk due to infection for battery replacement. Also, rechargeable batteries and rectifier and integrator circuits are well known components for implantable devices to regulate stimulation signals and for sensed signal conditioning.

WO 2002/60445 does not directly disclose using thigh orientation for controlling nerve stimulation. One of ordinary skill in the art would have found it obvious to use thigh orientation based on the suggestion that nerves innervating areas other than the plantar surface of the foot provide enough information to control stimulation. The Peroneal nerve cuff electrode 105 and percutaneous wires 106 from the Peroneal nerve cuff electrode provide a sufficient means to allow one of ordinary skill in the art to produce a signal indicative of the orientation of a patient's thigh and to adjust an output stimulation based on the orientation.

Allowable Subject Matter

Claims 6, 7, 9-18, 20, 21, 23-30, 35, 36, 54-58, 60-63, 69, 70, 74 and 75 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 39-47 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Manuel whose telephone number is (571) 272-4952.

/George Manuel/ Primary Examiner Art Unit: 3762